

### **REMARKS**

Claims 12-25, 35-45 and 47 are now pending in the application. Claim 46 has been cancelled by this amendments. Claim 14 has been made independent by this Amendment. Minor amendments have been made to the specification and claims to simply overcome the objections to the specification and rejections of the claims under 35 U.S.C. § 112. The amendments to the claims contained herein are intended to broaden the scope thereof and/or are of equivalent scope as originally filed and, thus, are not a narrowing amendment. The Examiner is respectfully requested to reconsider and withdraw the rejection(s) in view of the amendments and remarks contained herein.

### **DRAWINGS**

The drawings stand objected to for certain informalities. The Office Action indicates that the structure of Claim 46 is not shown in the drawings. This objection is respectfully traversed.

Claim 46 has been cancelled, therefore this objection is rendered moot.

### **SPECIFICATION**

The specification stands objected to for certain informalities. Applicants have amended the specification according to the Examiner's suggestions. Therefore, reconsideration and withdrawal of this objection are respectfully requested.

#### **REJECTION UNDER 35 U.S.C. § 112**

Claim 46 stands rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement. This rejection is respectfully traversed.

Claim has been cancelled, therefore this rejection has been rendered moot.

#### **REJECTION UNDER 35 U.S.C. § 103**

Claims 12, 13, 15, 16, 17, 22, 23, 24 and 25 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Carlisle in view of Amann. Claims 12, 13, 15, 16, 17, 22, 23, 24 and 25 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Shekelton et al. in view of Amann. These rejections are respectfully traversed.

Claims 12 has been amended to read, “a plurality of oxidizer pathways to provide the oxidizer at the first temperature to said combustion chamber; a plurality of injector slots near said plurality of oxidizer pathways; and a splash surface associated with each injector slot to spread the volume of the fuel; . . . wherein said plurality of oxidizer pathways and said plurality of injector slots are positioned in a row.” This amendment is fully supported by the Application as filed and is clearly illustrated in at least Figs. 2 and 5-8. Further, this was previously put forth in a similar manner in now cancelled Claim 46.

Both Carlisle and Shekelton et al. clearly do not teach or suggest such a structural layout of the various components included therein. Carlisle illustrates, in Fig. 2, that the impingement plates 27 are positioned annularly in the combustion chamber. Shekelton et al. also illustrates that the spray body 10 is substantially annular, thus the

impingement surfaces 34 are not in a row with any portion that could be understood to be oxidizer pathways.

Therefore, amended Claim 12 is in condition for allowance, as are each of the claims that depend directly or indirectly therefrom.

#### **ALLOWABLE SUBJECT MATTER**

The Examiner states that Claim 14 stands objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form. Accordingly, Applicants have amended Claim 14 to include the limitations of the base claim and any intervening claims. Therefore, Claim 14 should now be in condition for allowance.

Applicants also thank the Examiner for the indication of Claims 18-21, 35-45, and 47 as allowed.

## CONCLUSION

It is believed that all of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider and withdraw all presently outstanding rejections. It is believed that a full and complete response has been made to the outstanding Office Action and the present application is in condition for allowance. Thus, prompt and favorable consideration of this amendment is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

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By:   
Michael L. Taylor, Reg. No. 50,521

HARNESS, DICKEY & PIERCE, P.L.C.  
P.O. Box 828  
Bloomfield Hills, Michigan 48303  
(248) 641-1600

MDE/MLT